

What We Claim Is:

1. A method for providing wired line telephone and mobile telephone cross-usage comprising the steps of:

activating call forwarding of incoming home wired line telephone calls to a subscriber's mobile telephone upon removal of said mobile telephone from a customer premises equipment (CPE) cradle; and

de-activating call forwarding of incoming home wired line telephone calls to the subscriber's mobile telephone upon placement of said mobile telephone into said CPE cradle.

2. The method according to claim 1, wherein activating call forwarding of incoming home wired line telephone calls to said subscriber's mobile telephone further comprises the steps of:

removing the mobile telephone from said customer premises equipment (CPE) cradle, wherein said removal triggers the CPE cradle to activate call forwarding;

detecting by said CPE cradle an absence of the mobile telephone upon removal of said mobile telephone from said CPE cradle;

seizing by said CPE cradle of a home wired line by going off-hook;

placing a telephone call to a subscriber's Local Exchange Carrier (LEC) end office (EO);

communicating by said CPE cradle key sequences and a call forwarding telephone number that causes the LEC's existing call forwarding feature to be activated;

hanging up by said CPE cradle after having activated call forwarding to the mobile telephone; and

forwarding all incoming home wired line telephone calls to the mobile telephone by means of said LEC.

3. The method according to claim 1, wherein de-activating call forwarding of incoming home wired line telephone calls to said subscriber's mobile telephone further comprises the steps of:

placing the mobile telephone into said customer premises equipment (CPE) cradle;

detecting by said CPE cradle that said mobile telephone is in said CPE cradle when the mobile telephone unit is placed into the CPE cradle;

seizing a home wired line by said CPE cradle by going off-hook;

placing a telephone call by said CPE cradle to the subscriber's Local Exchange Carrier (LEC) end office (EO);

communicating by said CPE cradle key sequences and a call forwarding telephone number that causes the LEC's existing call forwarding feature to be de-activated;

hanging up by said CPE cradle, having de-activated call forwarding to the mobile telephone; and

directing all incoming home wired line telephone calls to said home wired line.

4. A method for providing wired line telephone and mobile telephone cross-usage comprising the steps of:

activating call forwarding of incoming mobile telephone calls to a subscriber's home wired line telephone upon placement of said mobile telephone into a customer premises equipment (CPE) cradle; and

de-activating call forwarding of incoming mobile telephone calls to the subscriber's home wired line telephone upon removal of said mobile telephone from said CPE cradle.

5. The method according to claim 4, wherein said activating call forwarding of incoming mobile telephone calls to said subscriber's home wired line telephone further comprises the steps of:

placing said mobile telephone into said customer premise equipment (CPE) cradle;

detecting by said CPE cradle a presence of said mobile telephone in said CPE cradle when said mobile telephone is placed in said CPE cradle;

seizing by said CPE cradle a home wired line;

placing by said CPE cradle a telephone call to a pre-specified activation telephone number to a Call Forwarding Activation De-Activation Server (CFADS) to activate call forwarding to the home wired line telephone;

receiving by CFADS said telephone call from said CPE cradle on said pre-specified activation telephone number;

activating call forwarding of incoming calls to said mobile telephone to said home wired line telephone using an Automatic Number Identification (ANI) by CFADS;

hanging up said home wired line by said CPE cradle, having activated mobile telephone call forwarding to the home; and

querying, by a Mobile Switching Center (MSC), a Service Control Point (SCP) to complete mobile telephone calls such that incoming mobile telephone calls will be forwarded to the home wired line telephone.

6. The method according to claim 4, wherein de-activating call forwarding of incoming mobile telephone calls to a subscriber's home wired line telephone further comprises the steps of:

removing said mobile telephone from said customer premises equipment (CPE) cradle;

detecting by said CPE cradle of an absence of said mobile telephone from said CPE cradle;

seizing a home wired line by said CPE cradle;

dialing by said CPE cradle a pre-specified de-activation telephone number to a Call Forwarding Activation De-Activation Server (CFADS) in order to de-activate call forwarding of incoming mobile telephone calls to said subscriber's home wired line telephone;

receiving by CFADS said telephone call on said pre-specified de-activation telephone number;

de-activating said call forwarding of incoming mobile telephone calls for said mobile telephone to said home wired line telephone by using Automatic Number Identification (ANI);

hanging up said home wired line by said CPE cradle, having de-activated mobile telephone call forwarding to the home; and

querying, by a Mobile Switching Center (MSC), a Service Control Point (SCP) to complete all mobile telephone calls such that incoming mobile telephone calls will be completed to the mobile telephone.

7. A method for providing wired line telephone and mobile telephone cross-usage comprising the steps of:

de-activating call forwarding of incoming mobile telephone calls to a subscriber's home wired line telephone and for activating call forwarding of incoming wired line telephone calls to the subscriber's mobile telephone upon removal of said mobile telephone from a customer premises equipment (CPE) cradle; and

activating call forwarding of incoming mobile telephone calls to the subscriber's home wired line telephone and for de-activating call forwarding of incoming wired line telephone calls to the subscriber's mobile telephone upon placement of said mobile telephone into said CPE cradle.

8. The method according to claim 7, wherein de-activating call forwarding of incoming mobile telephone calls to said subscriber's home wired line telephone and

activating call forwarding of incoming wired line telephone calls to the subscriber's mobile telephone further comprise the steps of:

removing said mobile telephone from said CPE cradle;

detecting by said CPE cradle an absence of said mobile telephone from said CPE cradle;

seizing a home wired line by said CPE cradle by going off-hook;

dialing a first telephone call to a pre-specified de-activation telephone number of Call Forwarding Activation De-Activation Server (CFADS);

receiving by CFADS said telephone call on said pre-specified de-activation telephone number and using an automatic number identification (ANI) to lookup a corresponding mobile identification number (MIN), de-activating call forwarding to said home wired line telephone for said mobile telephone;

hanging up said home wired line by said CPE cradle, having de-activated mobile telephone call forwarding to the home;

placing a second telephone call by said CPE cradle to said subscriber's Local Exchange Carrier (LEC) end office (EO);

communicating by said CPE cradle key sequences and a call forwarding telephone number that causes the LEC's call forwarding feature to be activated;

hanging up said home wired line by said CPE cradle, having activated call forwarding to said mobile telephone; and

forwarding all incoming home wired line telephone calls to said mobile telephone by said LEC EO.

9. The method according to claim 7, wherein activating call forwarding of incoming mobile telephone calls to a subscriber's home wired line telephone and de-activating call forwarding of incoming wired line telephone calls to the subscriber's mobile telephone further comprise the steps of:

placing said mobile telephone into a CPE cradle;

detecting by said CPE cradle a presence of a mobile telephone in said CPE cradle;

seizing by said CPE cradle a home wired line;

placing a first telephone call to said subscriber's Local Exchange Carrier (LEC) end office (EO) to de-activate call forwarding from said home wired line telephone to said mobile telephone;

hanging up said home wired line by said CPE cradle, having de-activated call forwarding to the mobile phone;

placing by said CPE cradle a second telephone call to a pre-specified activation telephone number of CFADS;

receiving by CFADS said telephone call to said pre-specified activation number and using an automatic number identification (ANI) to lookup a corresponding mobile identification number (MIN), activating call forwarding for said mobile telephone;

hanging up said home wired line by said CPE cradle, having activated mobile telephone call forwarding to the home; and

forwarding all incoming mobile telephone calls to said home wired line telephone.

10. A customer premises equipment (CPE) cradle for providing home wired line and mobile telephone cross-usage comprising:

a housing;

said housing having at least one conventional telephone jack receptacles;

said conventional telephone jack receptacle of said housing for receiving a conventional telephone cable with a first conventional telephone jack at a first end, said first conventional telephone cable having a second conventional telephone jack at a second end to be connected at said second end into a conventional home telephone wall jack receptacle;

said housing further having a charging device within said housing;

said housing further having at least one connector pin for positively engaging said mobile telephone;

said housing further having a detection switch for sensing one of an insertion and a removal of the mobile telephone from said CPE cradle; and

said housing further having a programmable module within said housing.

11. The CPE cradle according to claim 10, wherein said programmable module is programmed to activate call forwarding to a mobile telephone upon removal of said mobile telephone from said CPE cradle.

12. The CPE cradle according to claim 10, wherein said programmable module is programmed to de-activate call forwarding to a mobile telephone upon insertion of said mobile telephone into said CPE cradle.



13. The CPE cradle according to claim 10, wherein said programmable module is programmed to activate call forwarding from said mobile telephone to a home wired line telephone upon insertion of said mobile telephone into said CPE cradle.

14. The CPE cradle according to claim 10, wherein said programmable module is programmed to de-activate call forwarding from said mobile telephone to a home wired line telephone upon removal of said mobile telephone from said CPE cradle.

15. The CPE cradle according to claim 10, wherein said programmable module is programmed to de-activate call forwarding from said mobile telephone to a wired line telephone and activate call forwarding from said home wired line to said mobile telephone upon removal of said mobile telephone from said CPE cradle.

16. The CPE cradle according to claim 10, wherein said programmable module is programmed to de-activate call forwarding to a mobile telephone and activate call forwarding from said mobile telephone to a home wired line telephone upon insertion of said mobile telephone into said CPE cradle.

17. The CPE cradle according to claim 10, wherein said programmable module is programmable by service personnel at a point of sale.

18. The CPE cradle according to claim 10, wherein said programmable module is programmable by a subscriber.

19. The CPE cradle according to claim 10, wherein said programmable module is programmable by service personnel replacing said programmable module when system software is upgraded.

20. The CPE cradle according to claim 11, wherein said activation is performed automatically.

21. The CPE cradle according to claim 12, wherein said de-activation is performed automatically.

22. The CPE cradle according to claim 13, wherein said activation is performed automatically.

23. The CPE cradle according to claim 14, wherein said de-activation is performed automatically.

24. The CPE cradle according to claim 15, wherein said activation and de-activation are performed automatically.

25. The CPE cradle according to claim 16, wherein said activation and de-activation are performed automatically.

26. The CPE cradle according to claim 10, wherein said detection switch has two positions and triggers one of call forwarding activation and call forwarding de-activation depending upon a position of said detection switch.

27. The customer premises equipment (CPE) cradle for providing home wired line and mobile telephone cross-usage according to claim 10, wherein said housing is made of any material capable of being formed such that at least one surface is flat so that said housing may be placed on a surface adjacent to a home wired line telephone.

28. The customer premises equipment (CPE) cradle for providing home wired line and mobile telephone cross-usage according to claim 27, wherein said housing is further formed such that a surface opposed to said flat surface supports said mobile telephone upon insertion of said mobile telephone into said CPE cradle.

29. The customer premises equipment (CPE) cradle for providing home wired line and mobile telephone cross-usage according to claim 10, further comprising a second conventional jack receptacle of said housing for receiving a second conventional telephone cable with a first conventional telephone jack at a first end, said second conventional telephone cable having a second conventional telephone jack at a second

end to be connected into said home wired line telephone having a conventional telephone jack.

30. The customer premises equipment (CPE) cradle for providing home wired line and mobile telephone cross-usage according to claim 10, wherein said housing further has a charging device within said housing.

31. The customer premises equipment (CPE) cradle for providing home wired line and mobile telephone cross-usage according to claim 10, wherein said housing further has at least one connector pin for positively engaging said mobile telephone.

32. The customer premises equipment (CPE) cradle for providing home wired line and mobile telephone cross-usage according to claim 30, wherein said housing having at least one charging pin, said at least one charging pin being further used to charge said mobile telephone by transferring power from said available household current through one of an AC adapter and a power plug and cord and further through said charging device.